

Cell sorting to screen for recombinant enzymes
excise λ library into *E.coli*

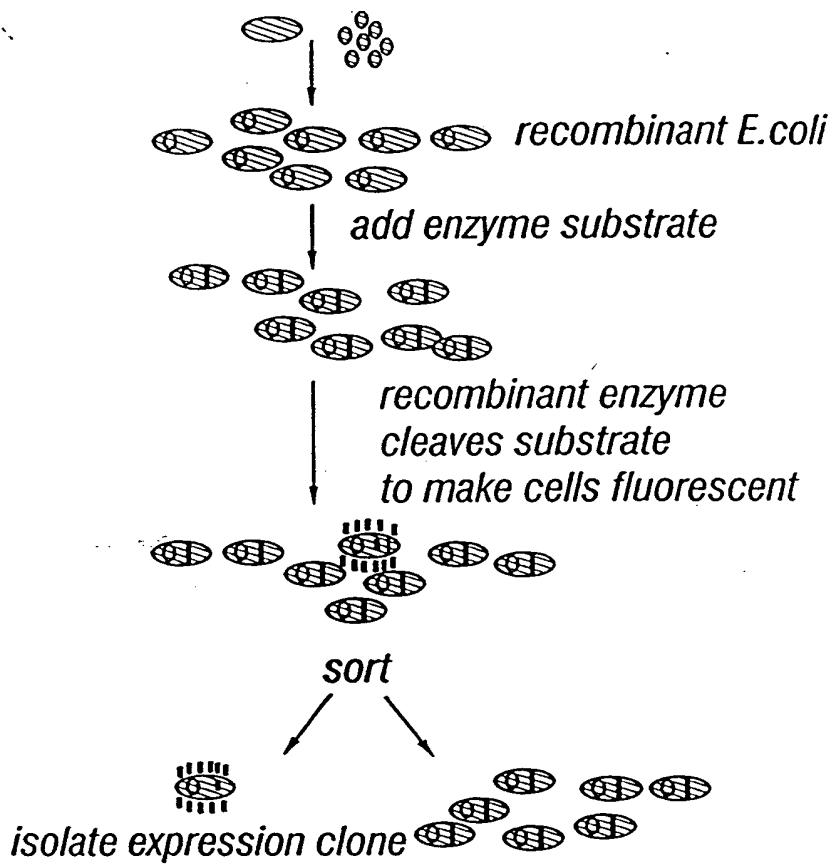


FIG. 1

09075036 - 101001

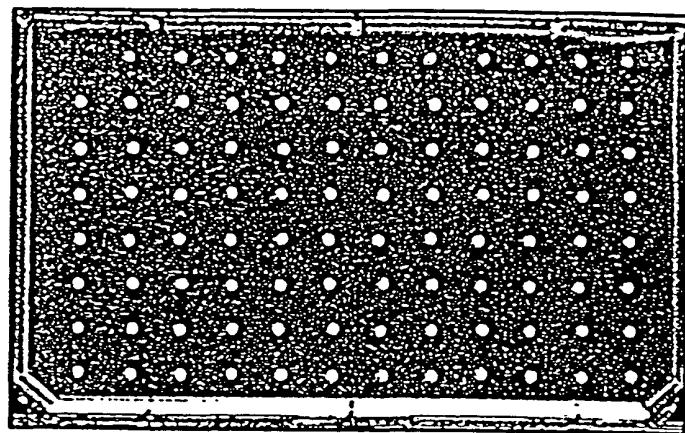
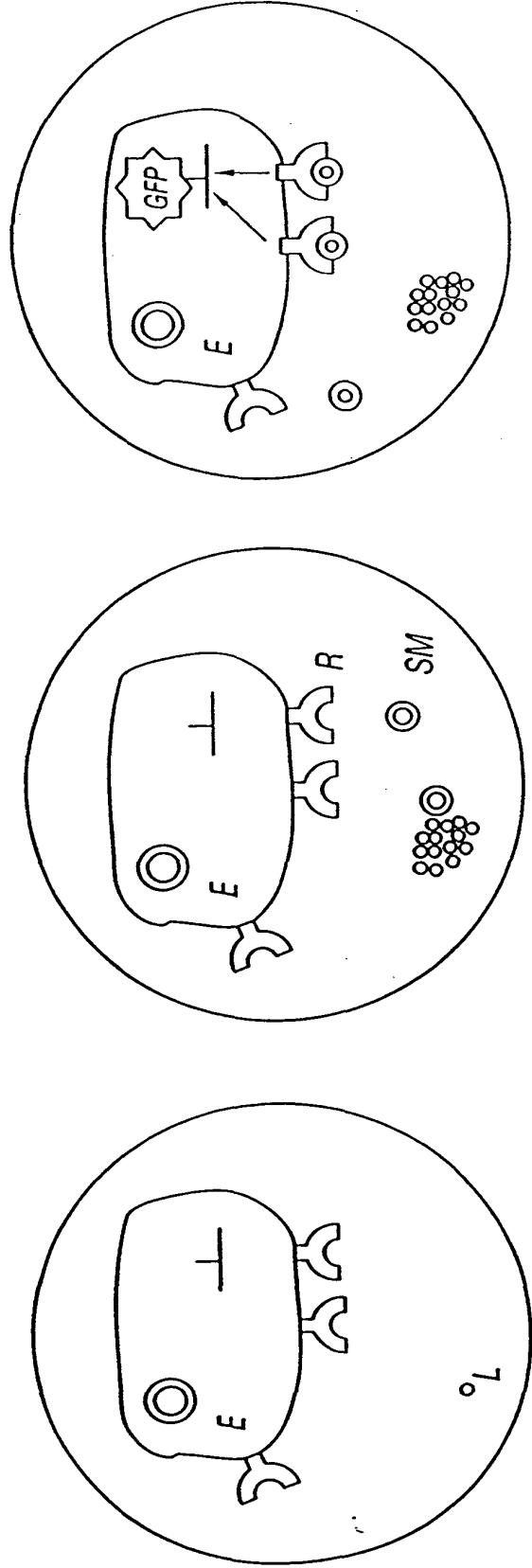


FIG. 2



Receptor binding of small molecule & GFP reporting

Growth and expression of small molecule from host

Co-encapsulation Library + Eukaryote

E=Eukaryotic assay organism **L**=Large insert library
GFP= Green fluorescent protein **SM**=Small molecule **R**=Eukaryotic receptor

FIG. 3

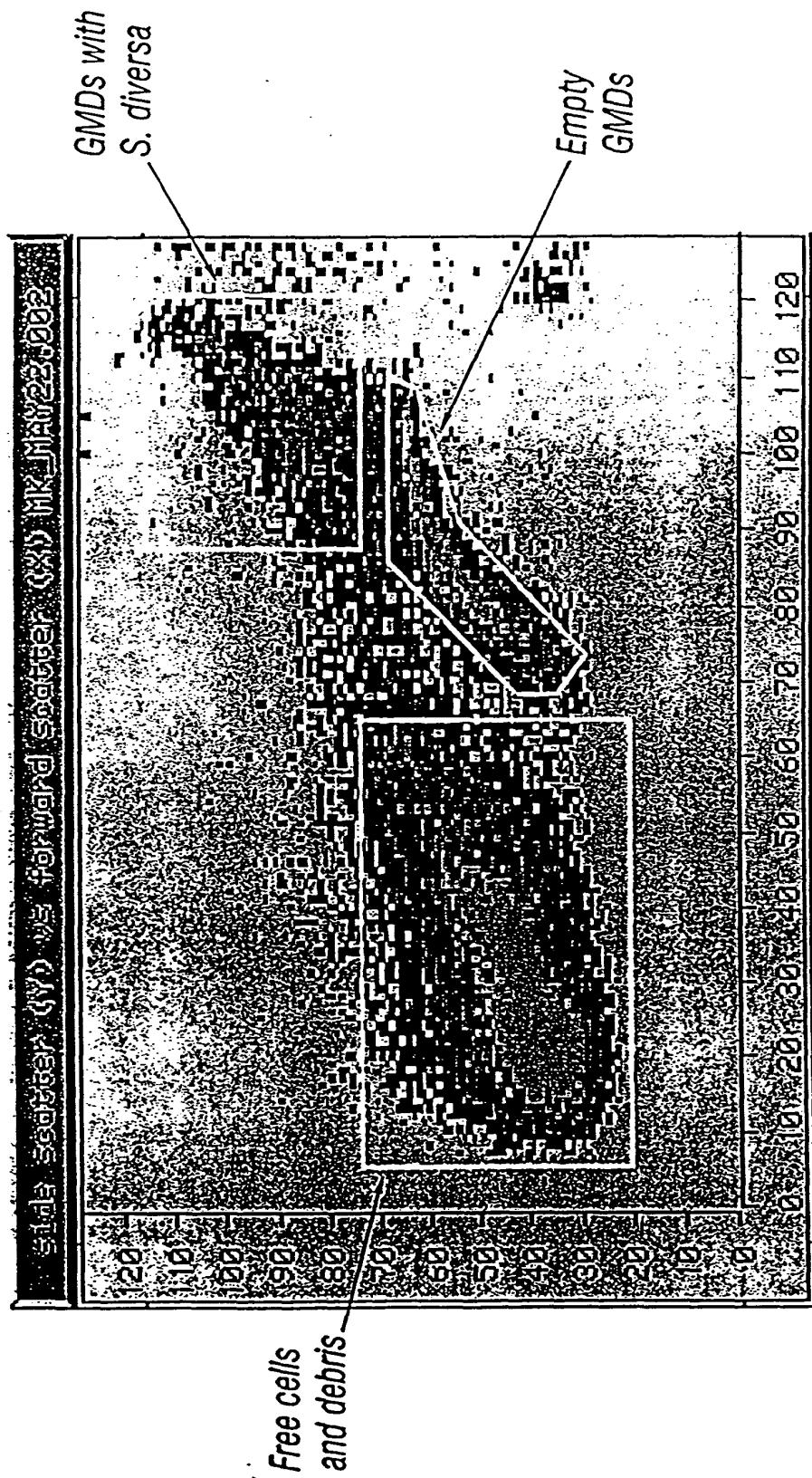
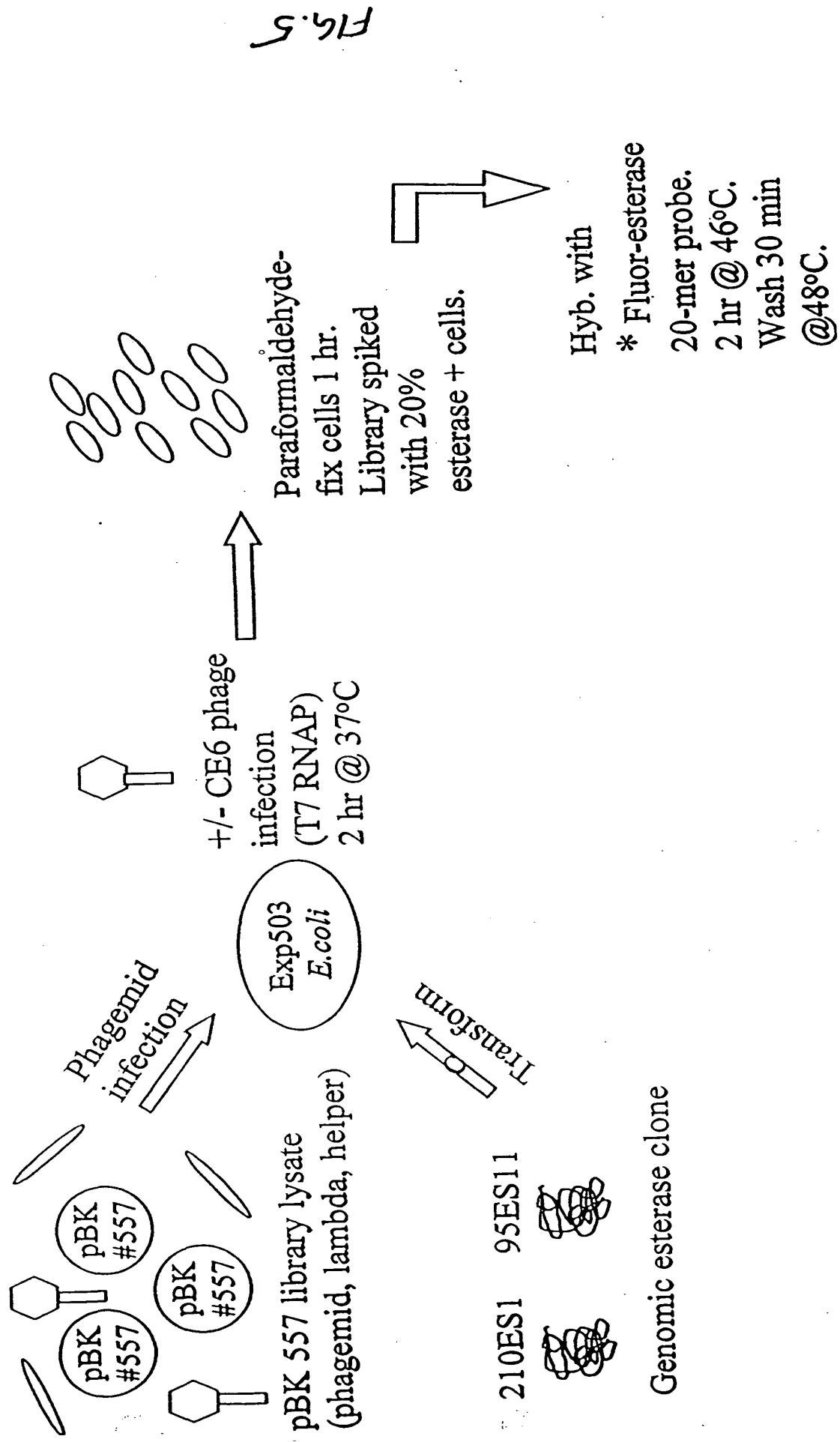


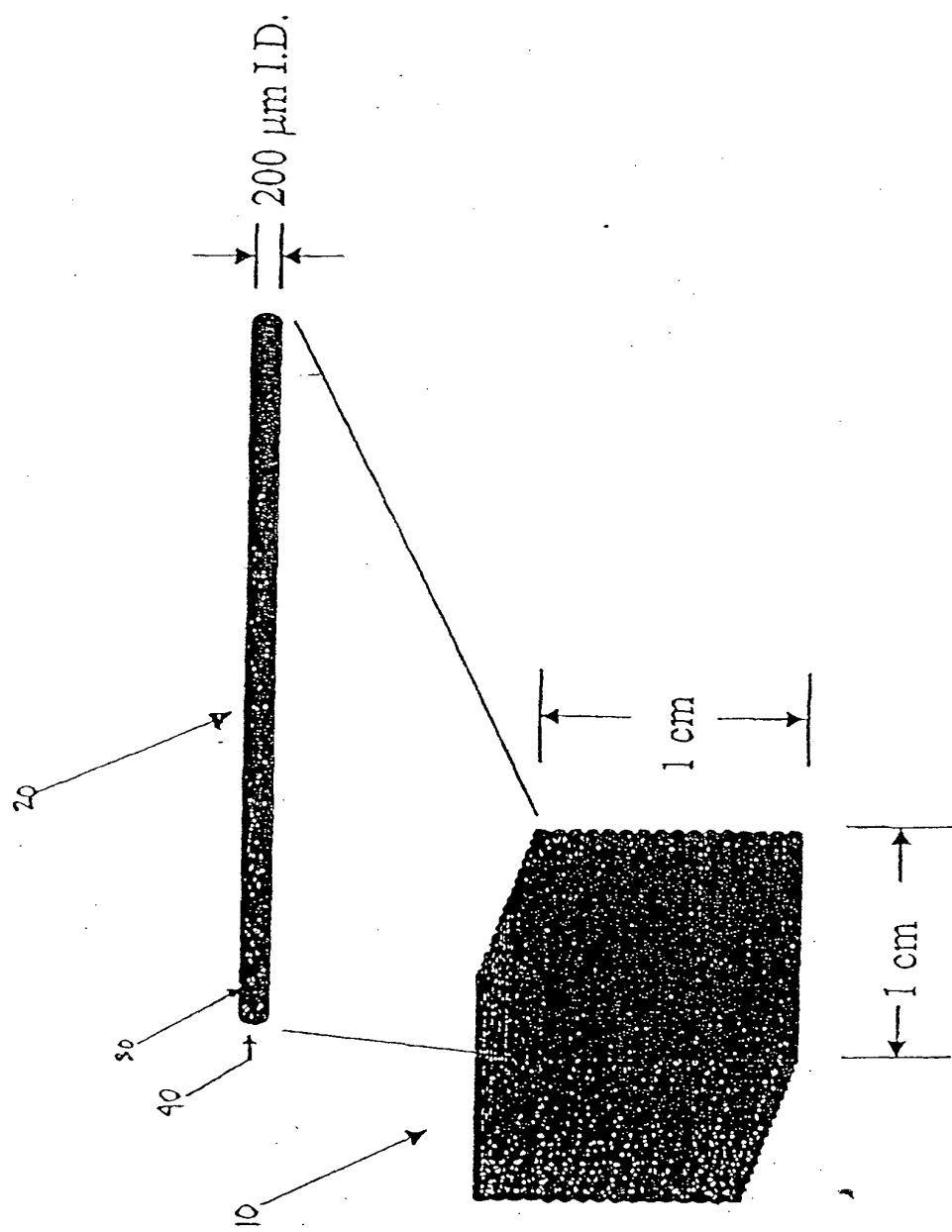
FIG. 4

Whole Cell Hybridization Protocol
(+ control)



09975036 - 101001

Figure 6A



10000 X 660

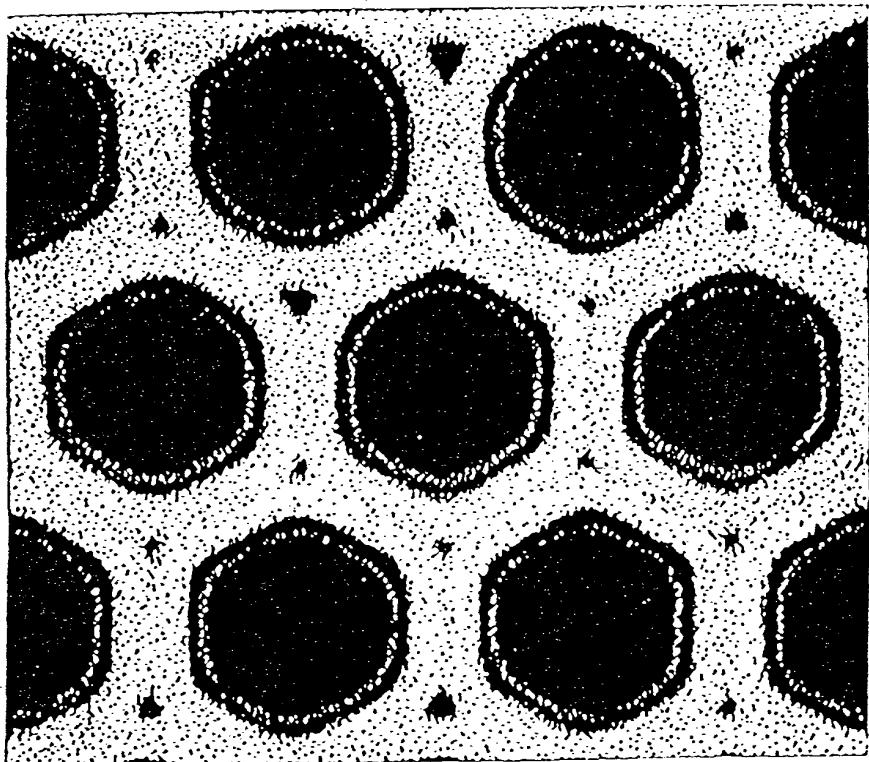


Figure
6B

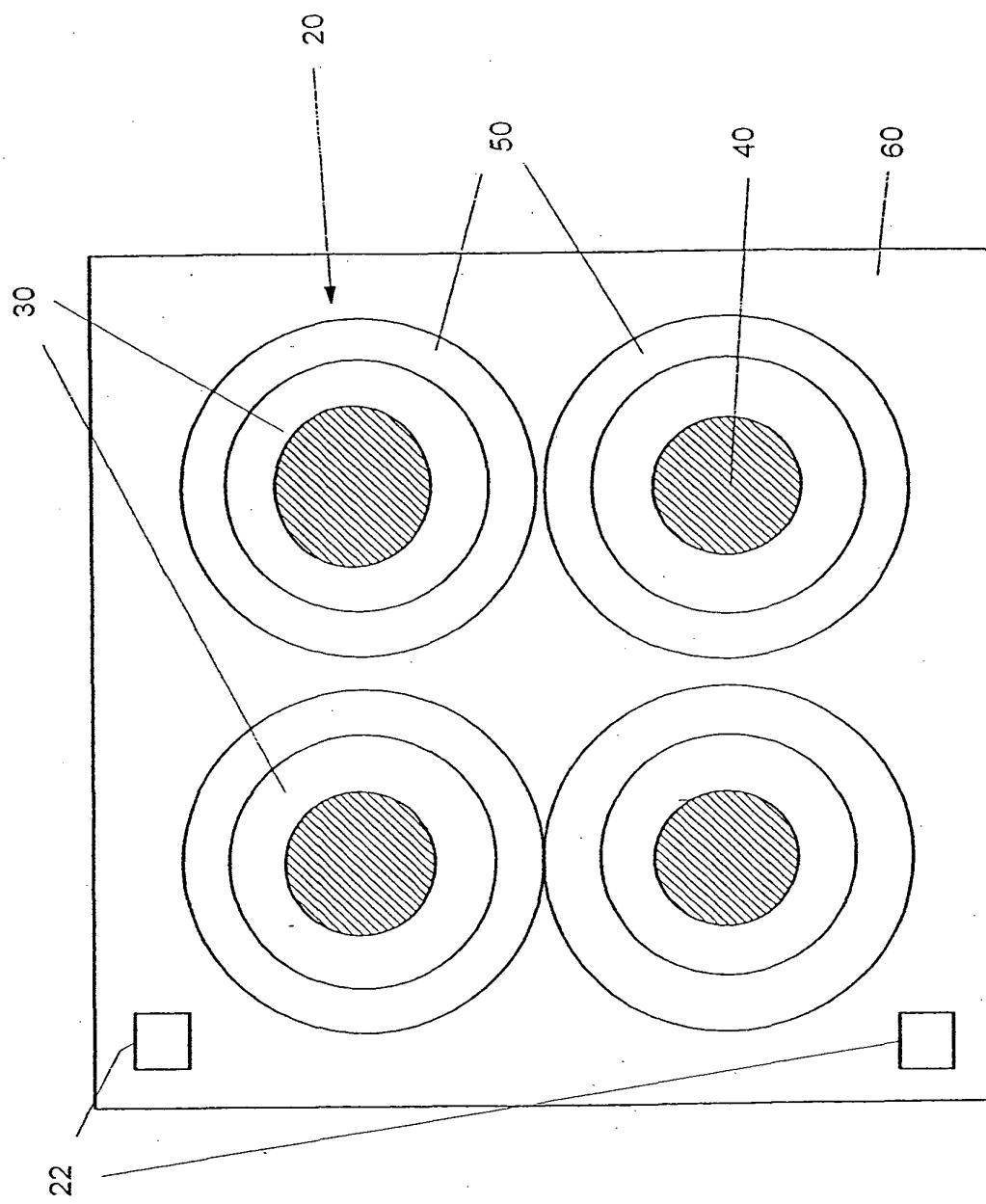
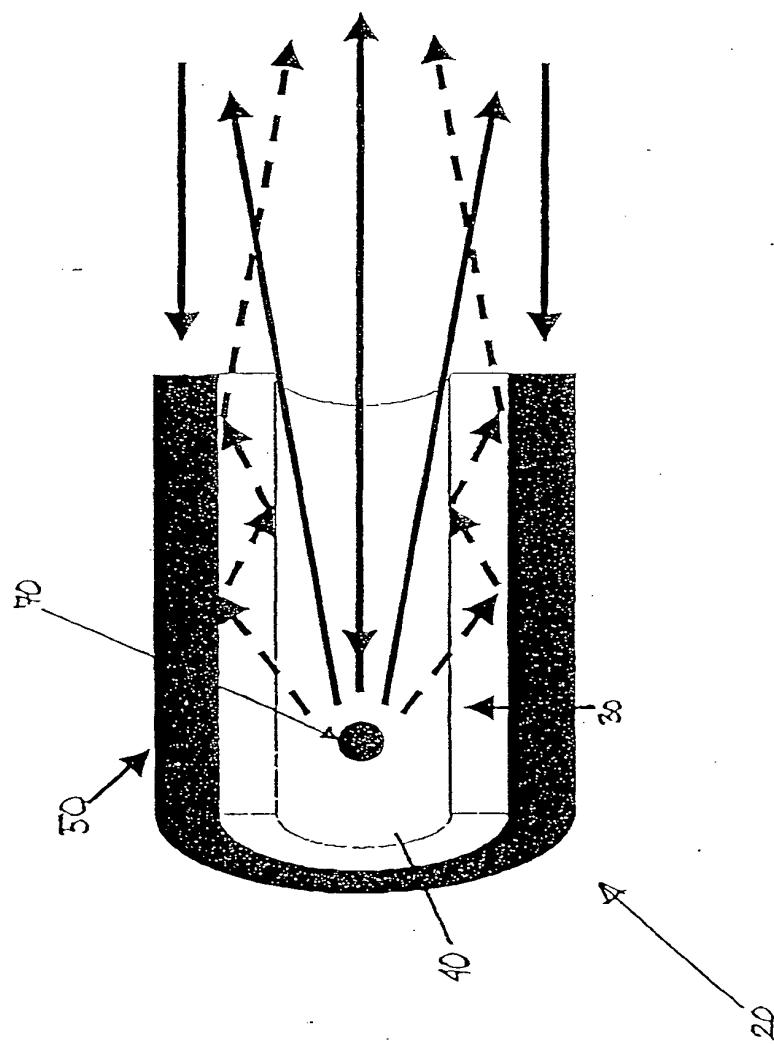


FIG. 7

Figure 8



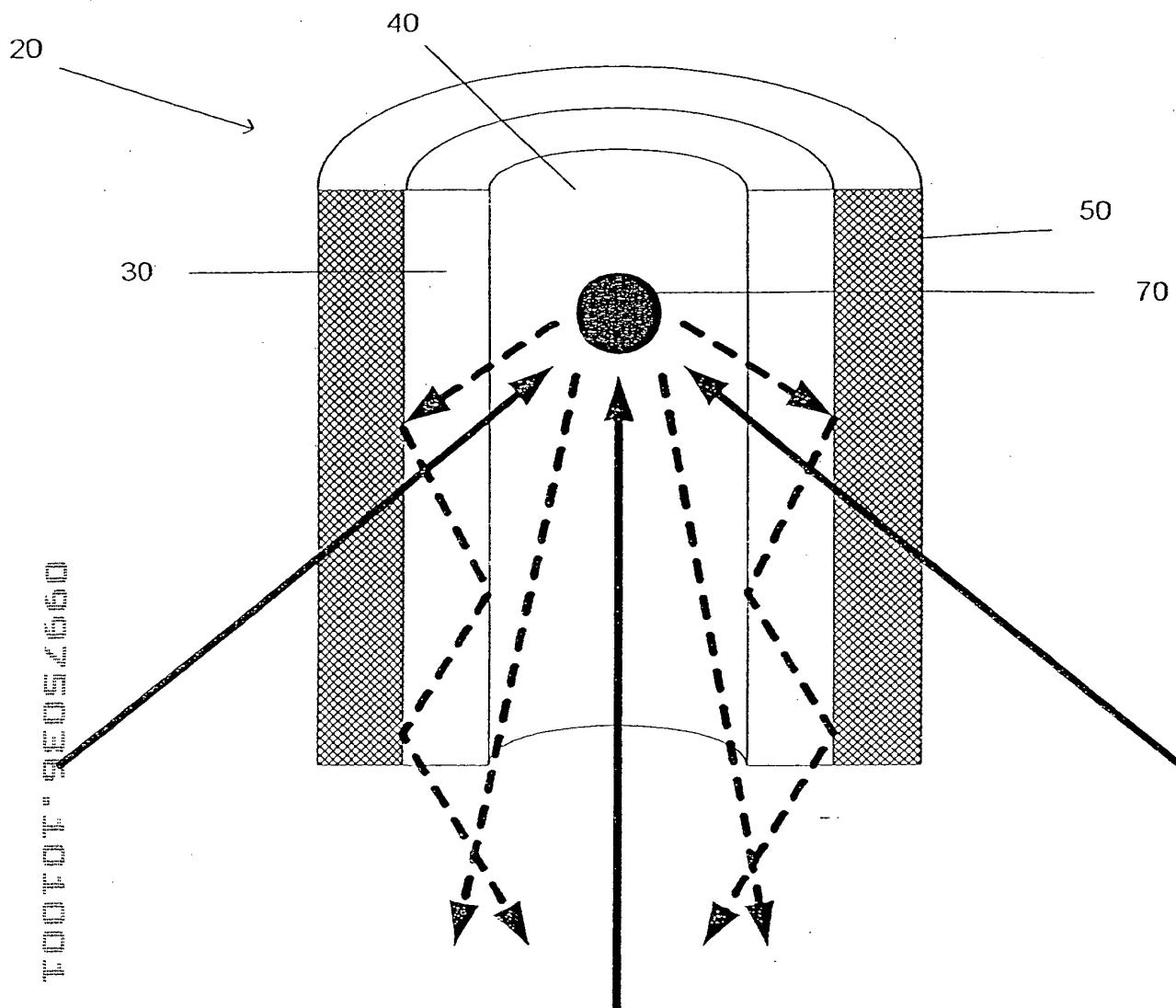
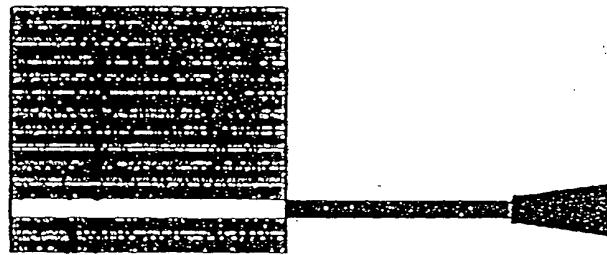


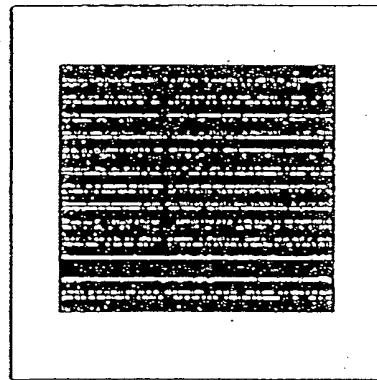
Figure
9

Figure 10

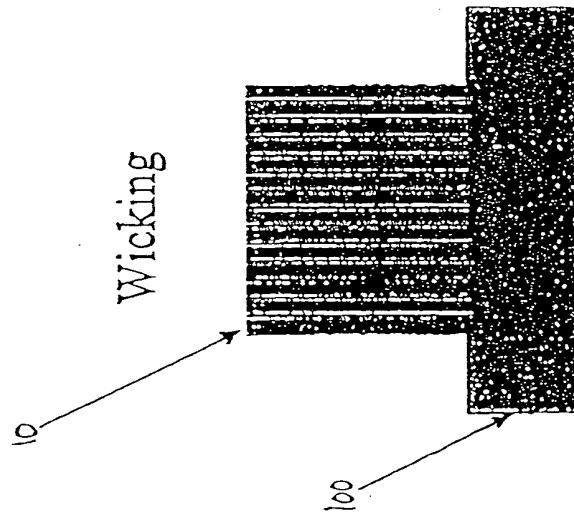
Imaging & Recovery



Humidified Incubation



Wicking



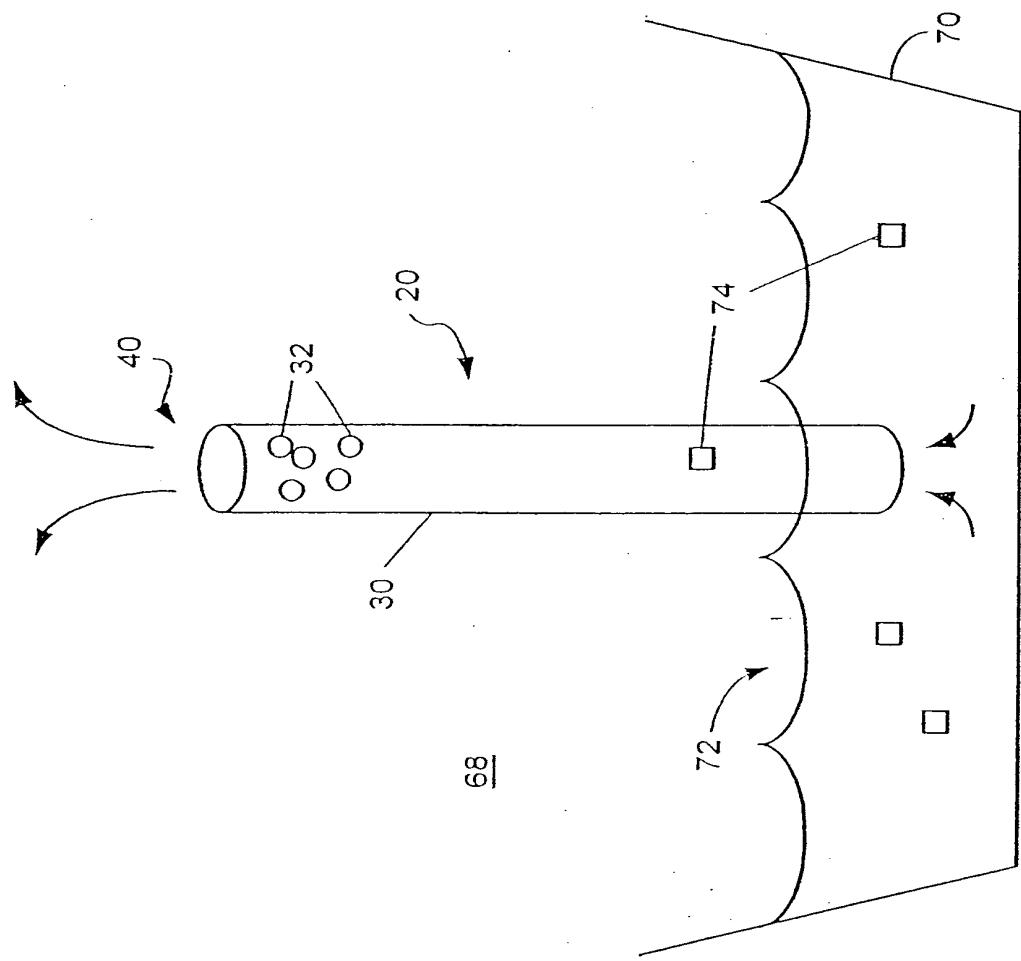


Figure
II

1000 950 850

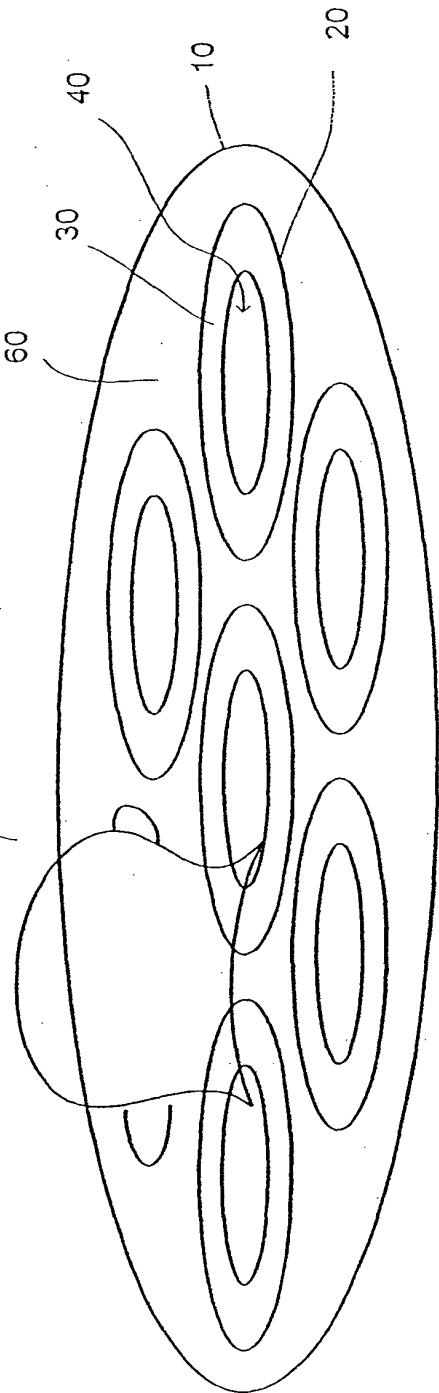


Figure
12A

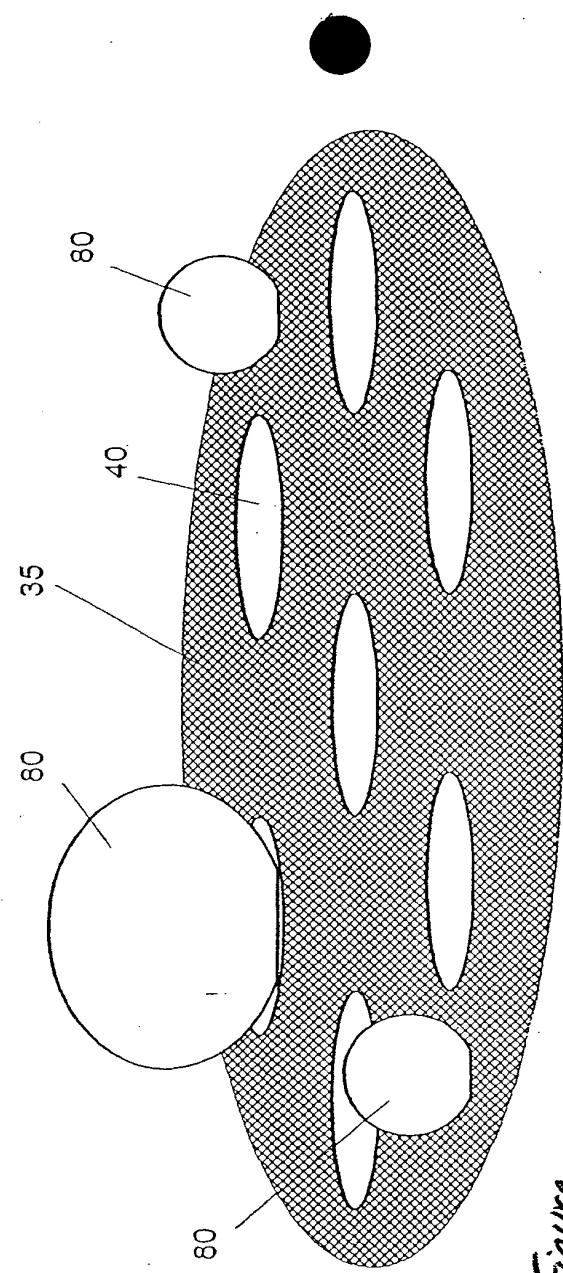


Figure
12B

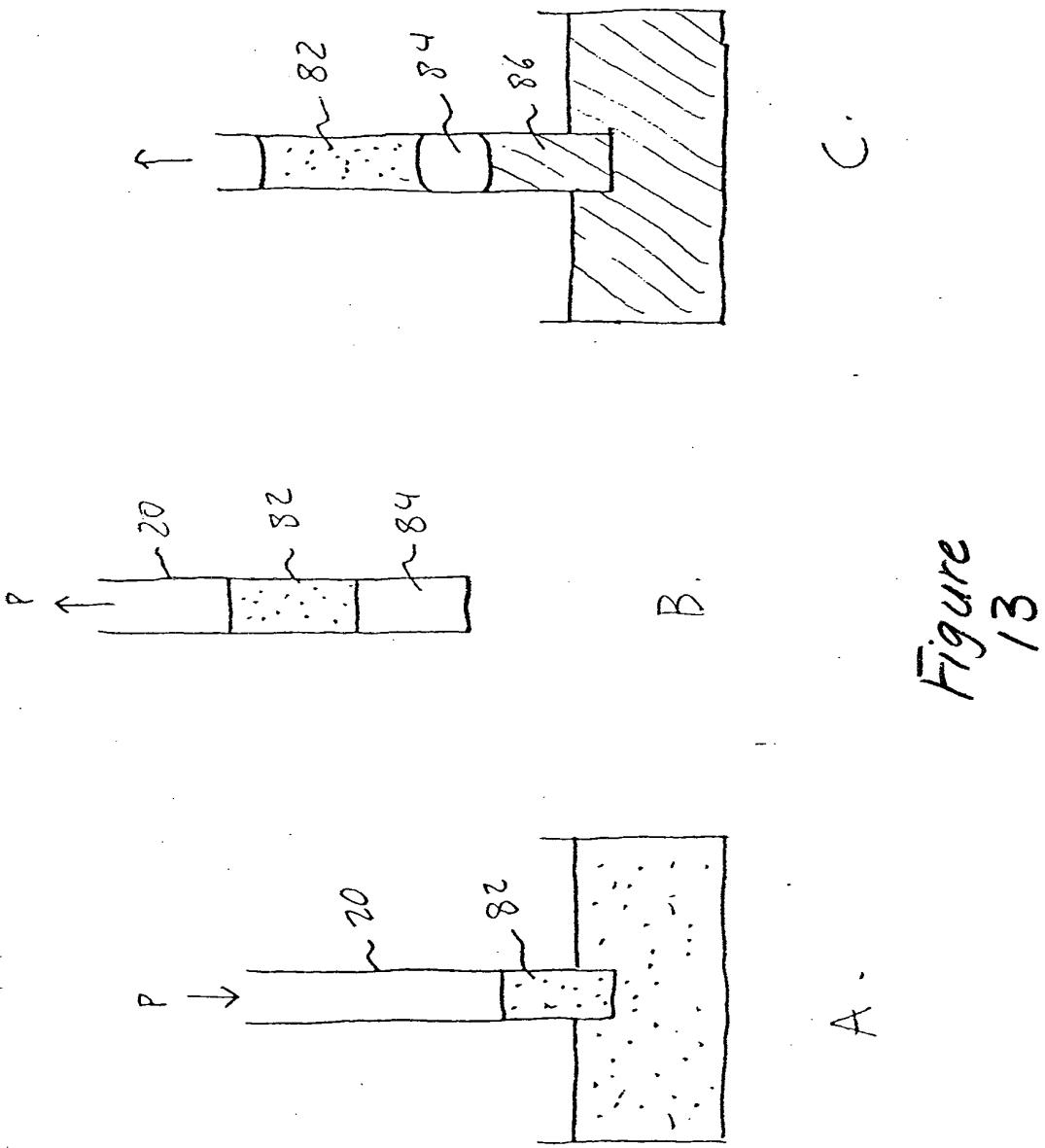


Figure
13

FOOTOT - 9657660

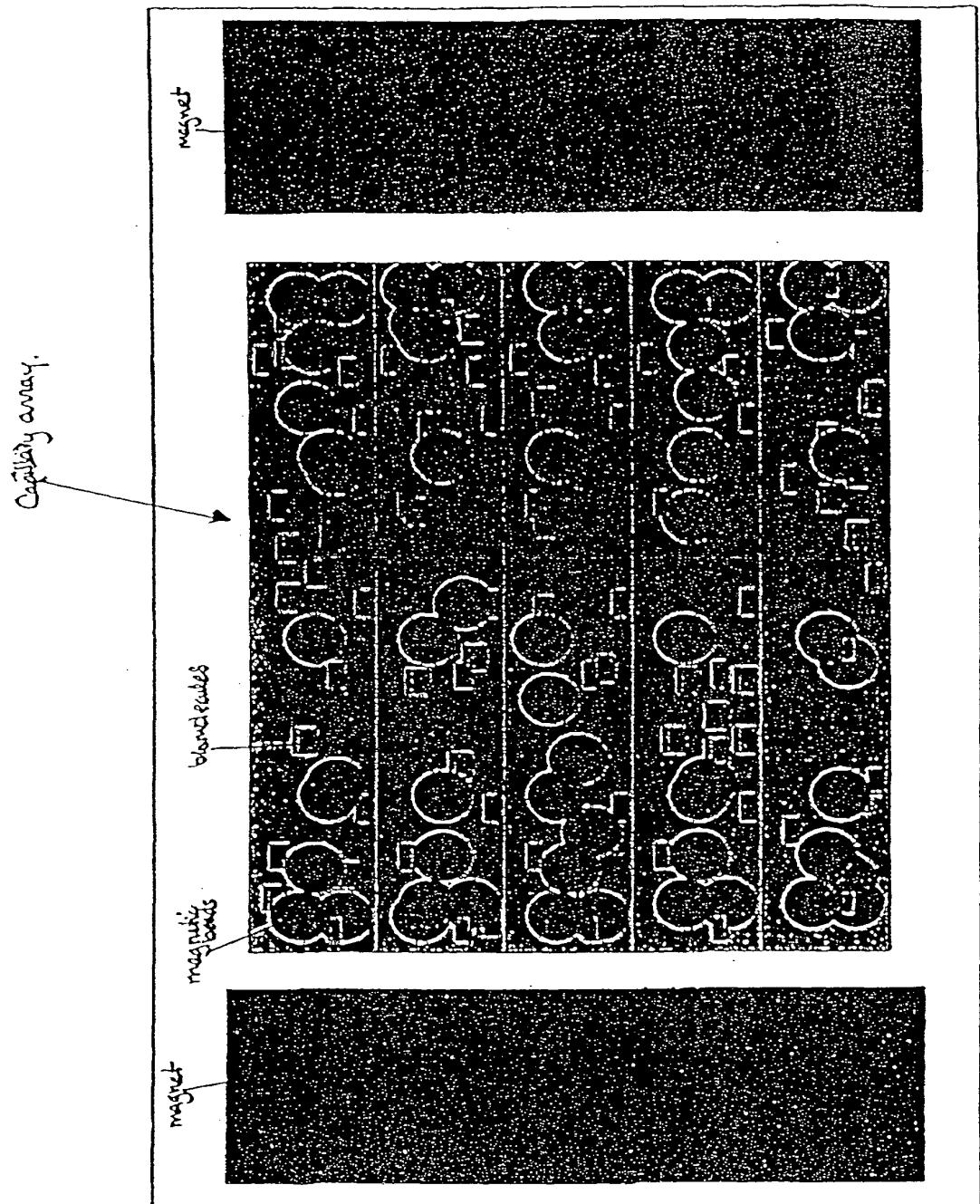


Figure
14A

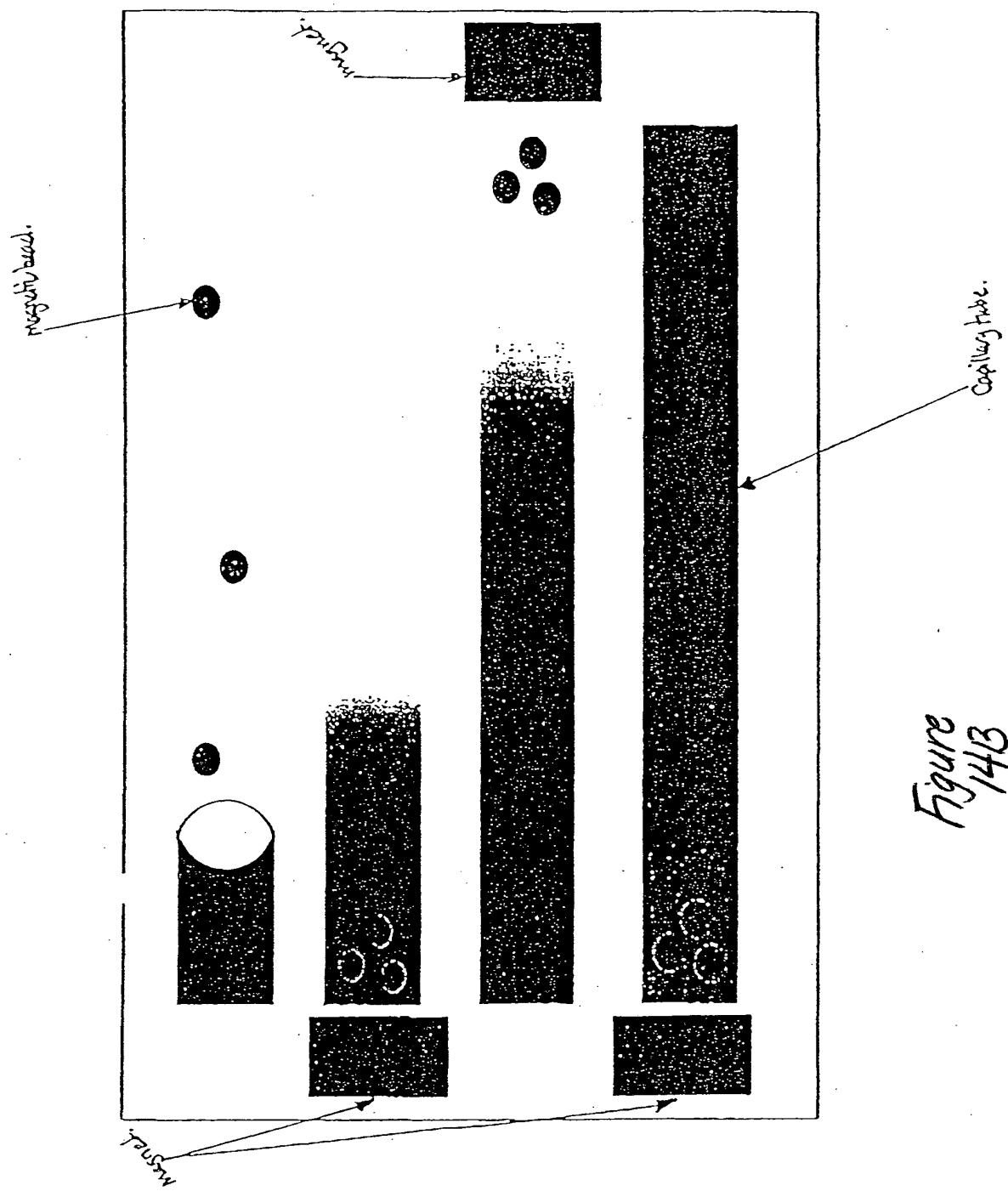


Figure
1413

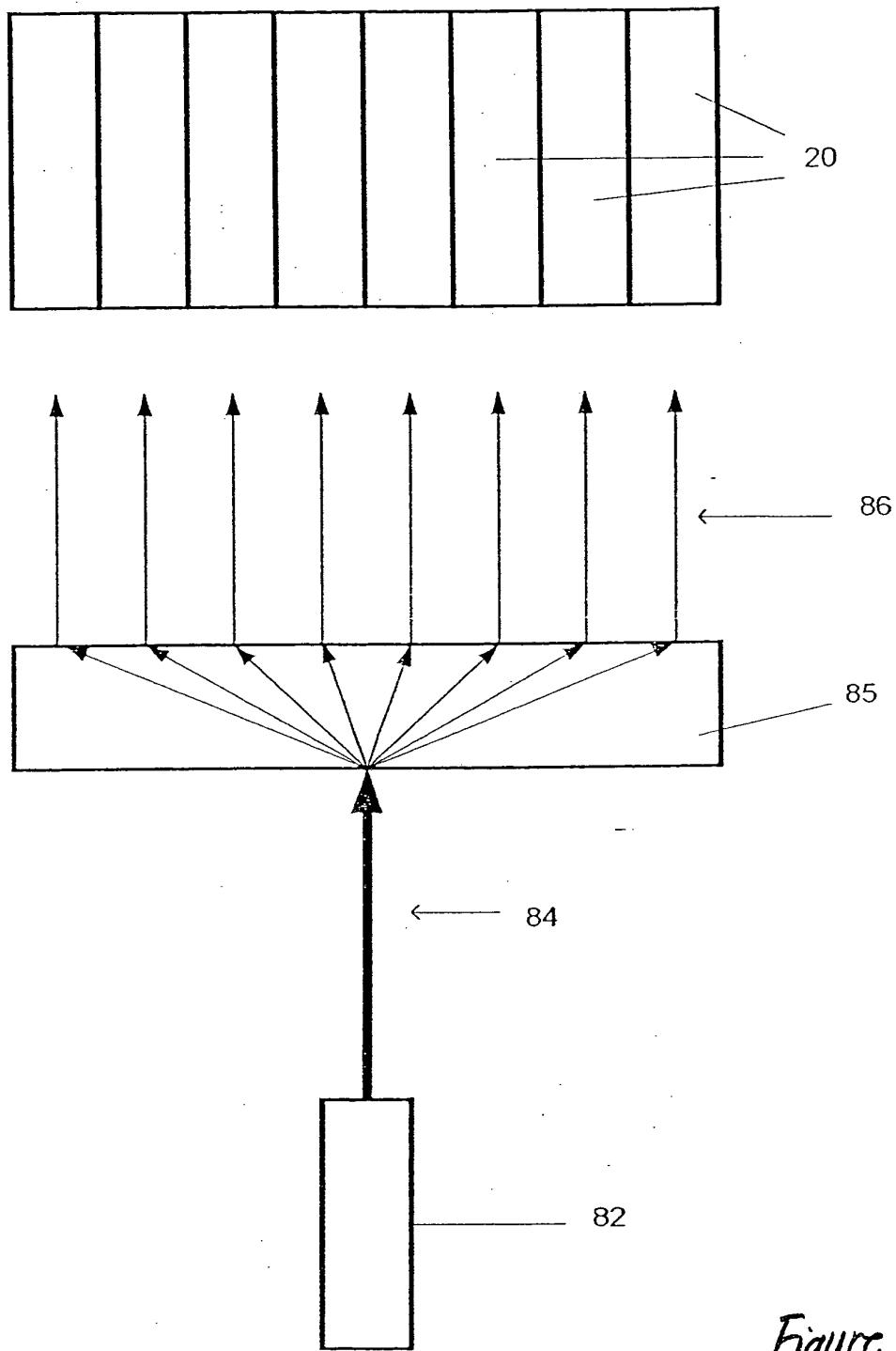
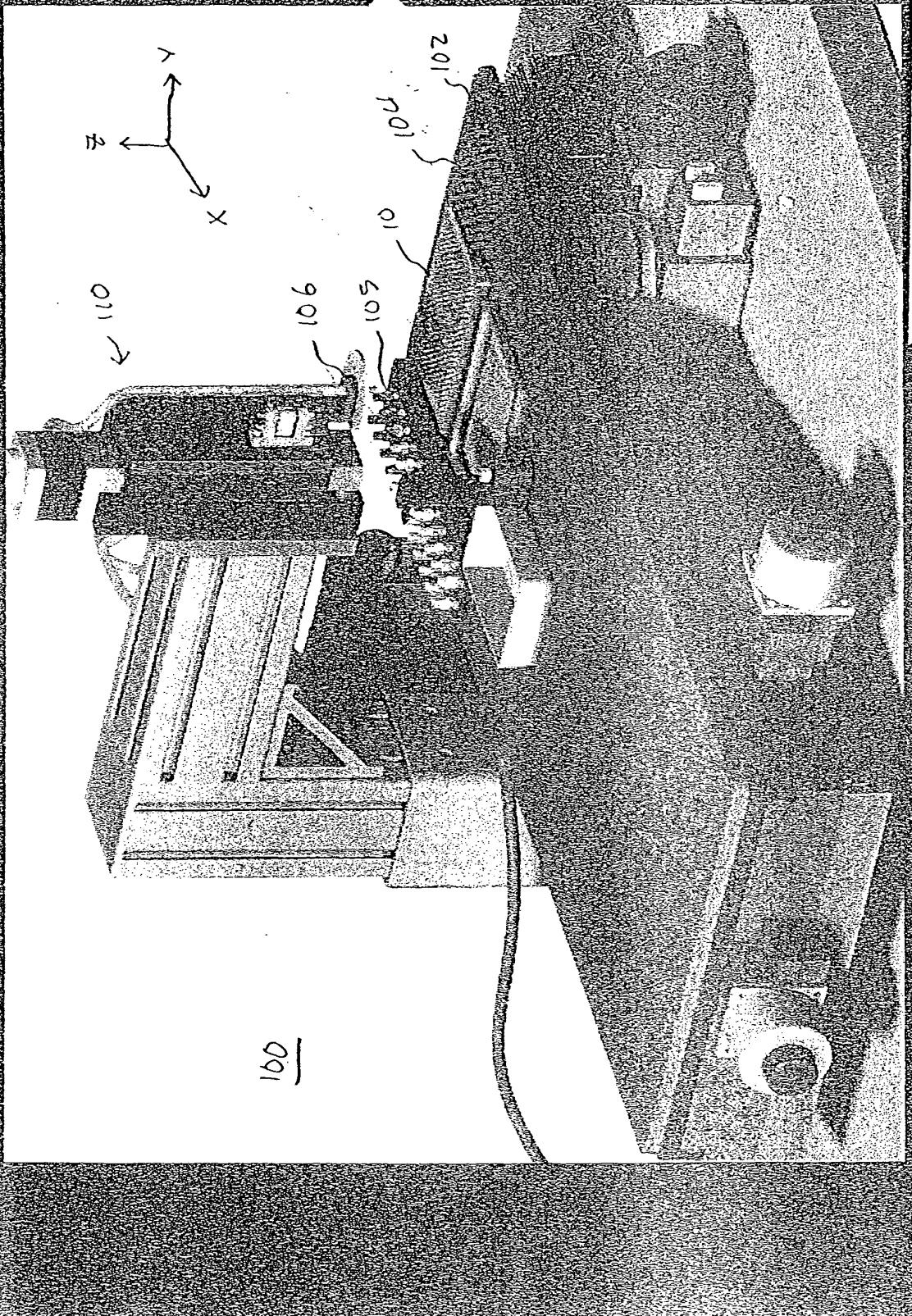


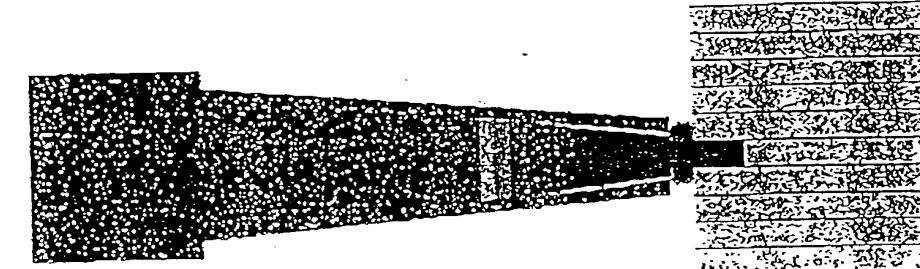
Figure
15

Automated Tire Detection & Recovery System

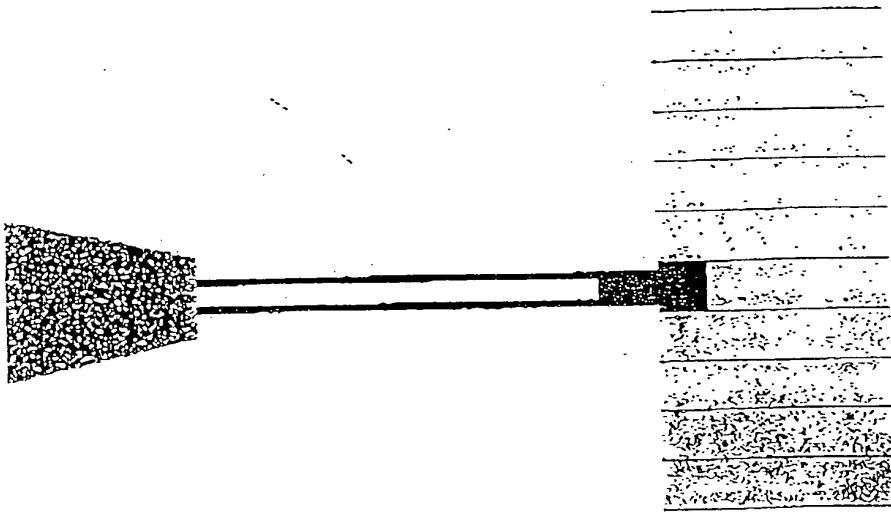


Figure

1000 100 1000 1000



A



B

Figure
17

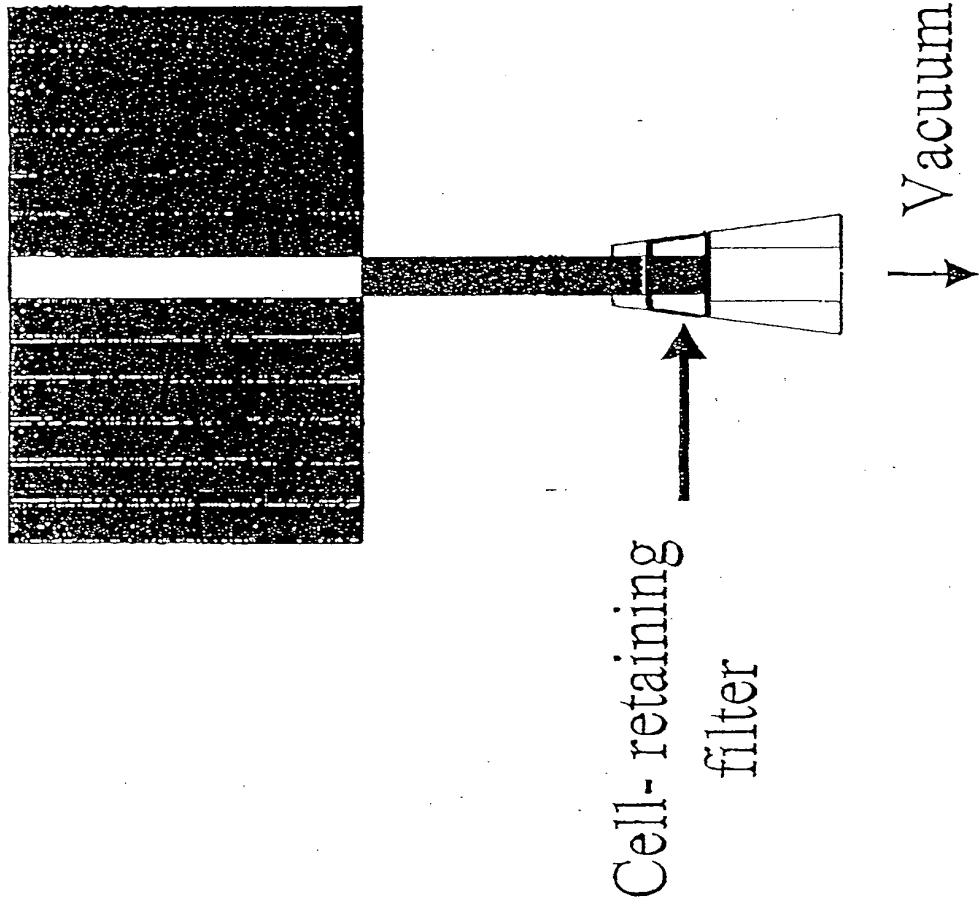


Figure
1/7c

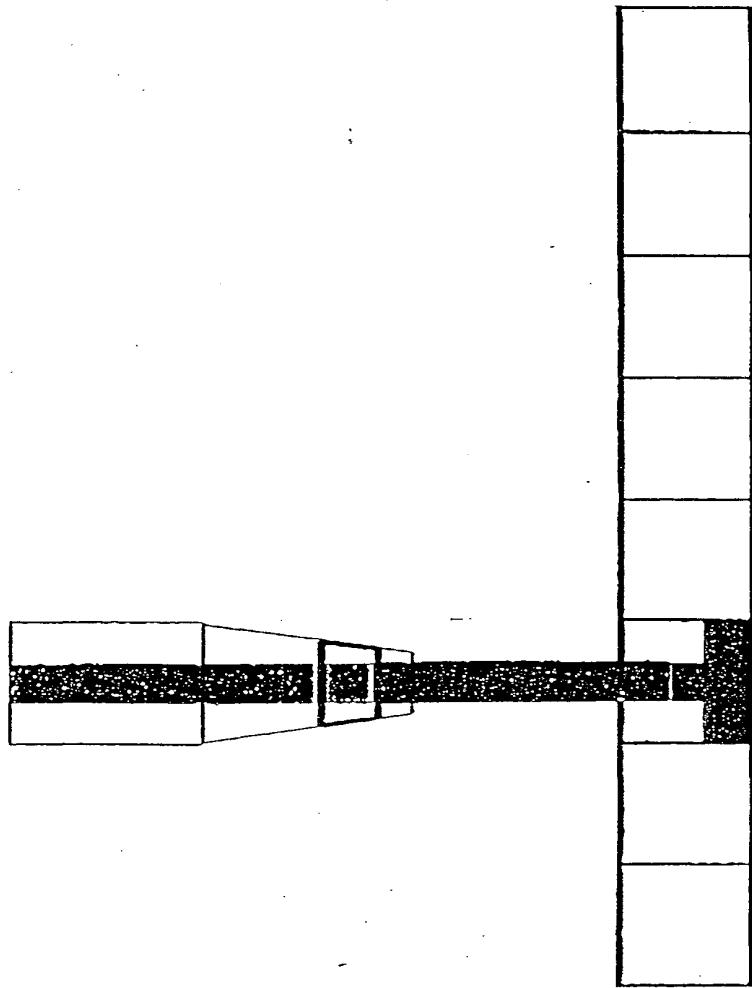


Figure 17D

HTP Enrichment of Low Copy Gene Targets

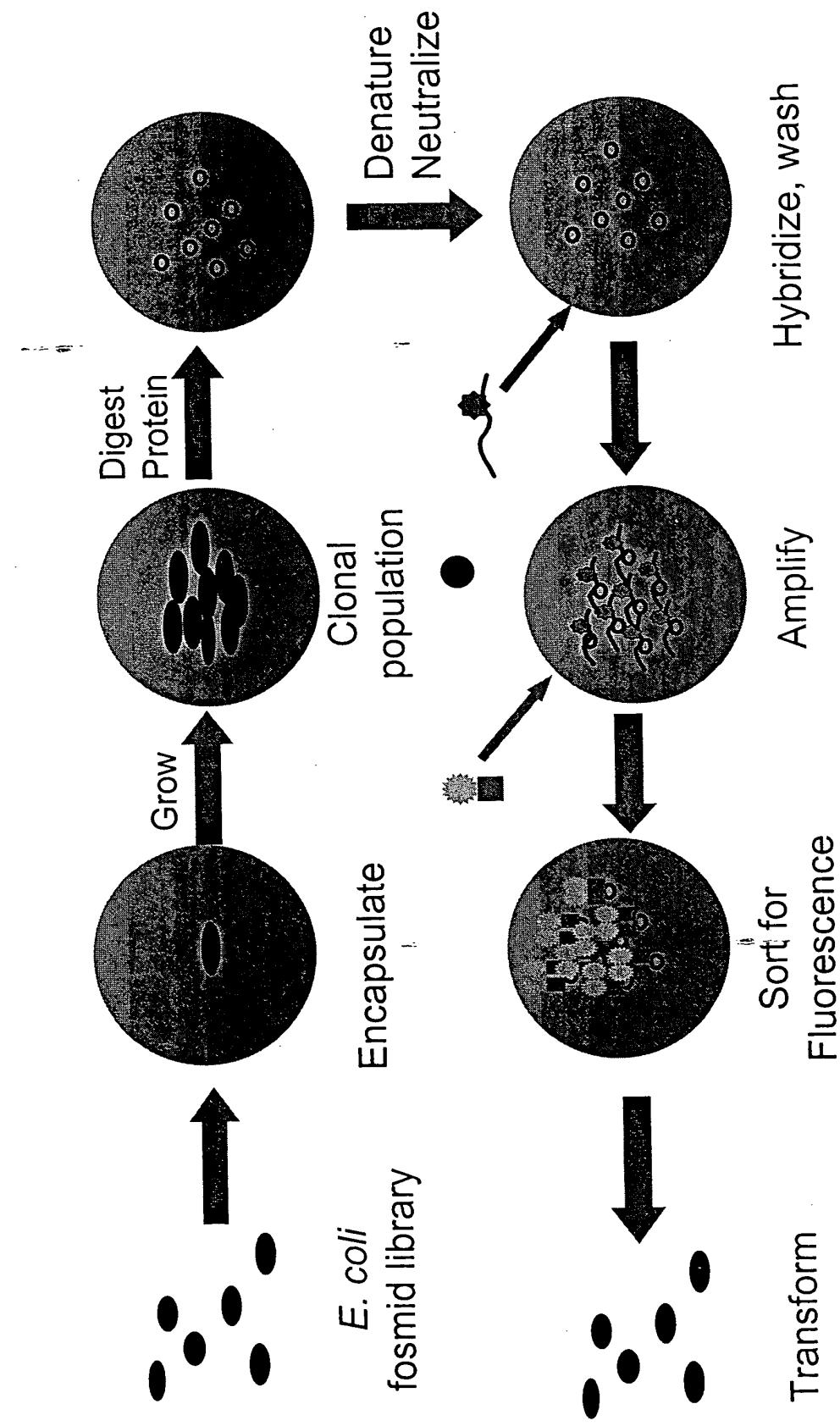
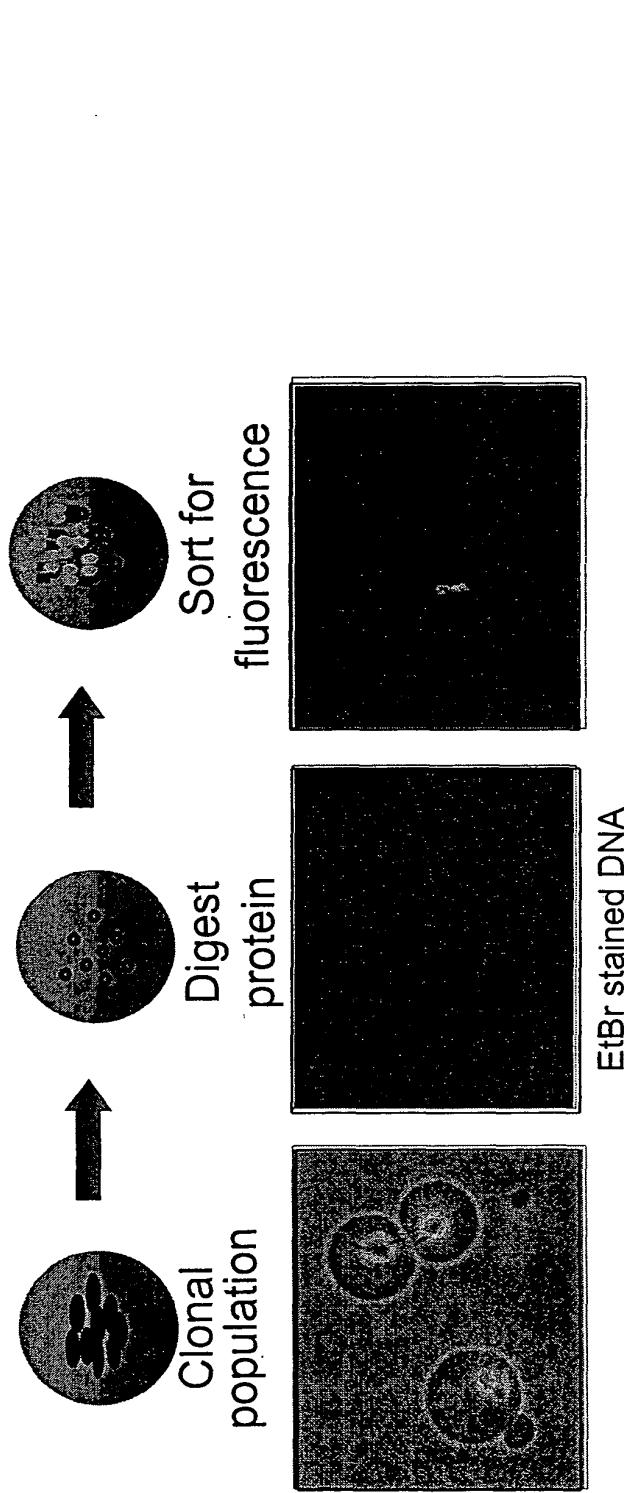


FIG. 18

FACS-Biopanning



Alignment of Environmental PKS Sequence

FIG. 19

Whole Cell Hybridization

7.9.070707 95ES11 clone

Library 557 + 95ES11 clone
Probe: Fluorescein-95ES11

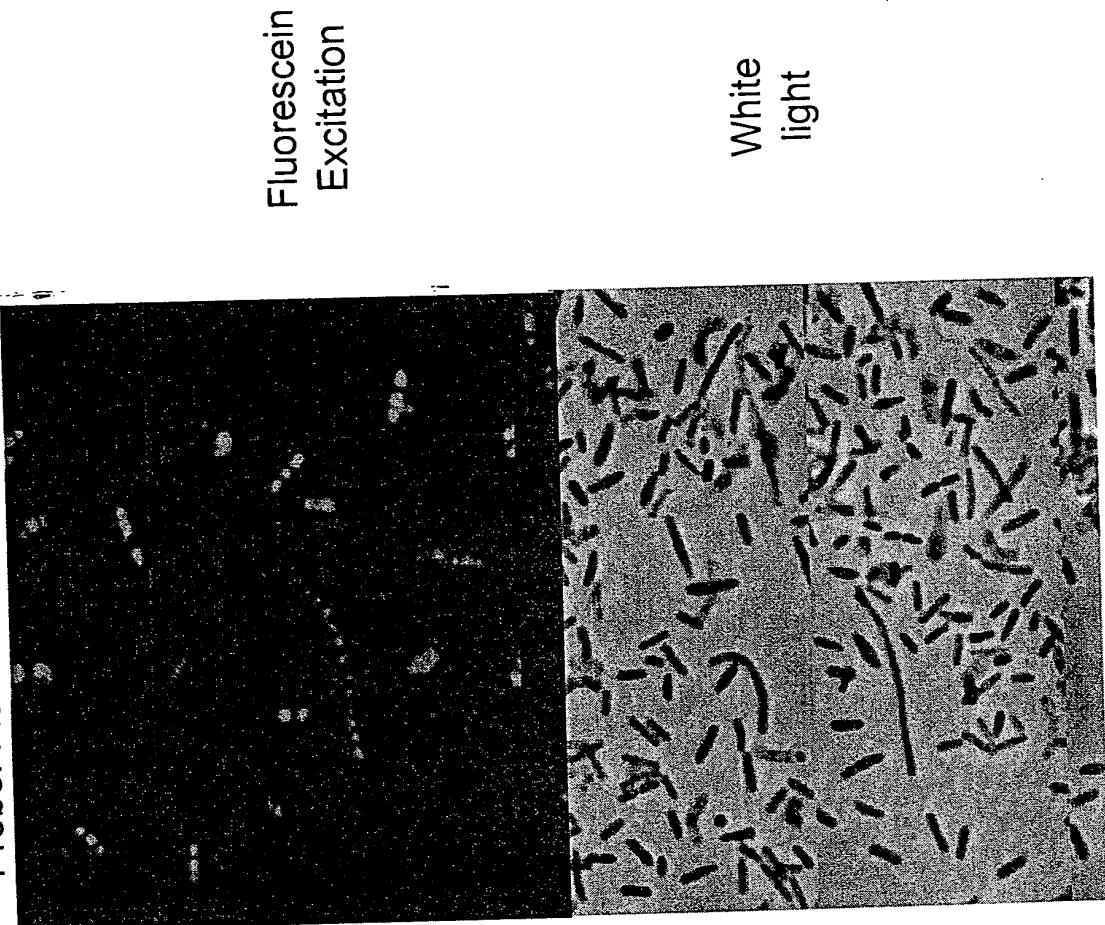


FIG. 20

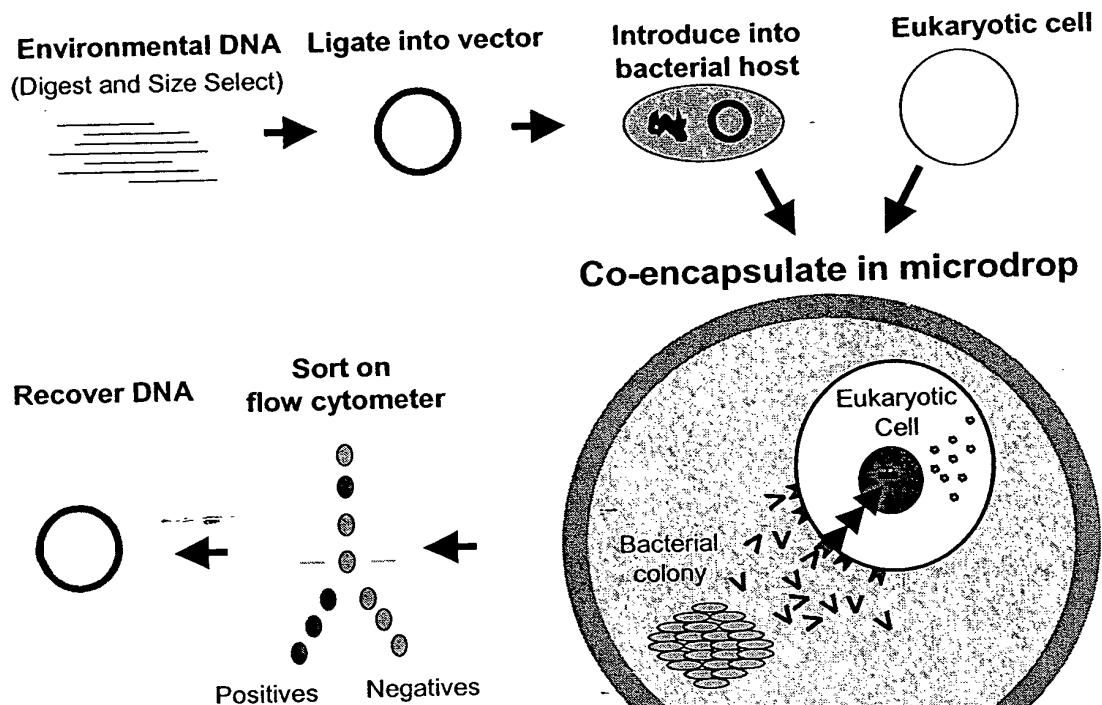


FIG. 21

700707 95ES1

Whole Cell Hybridization Protocol

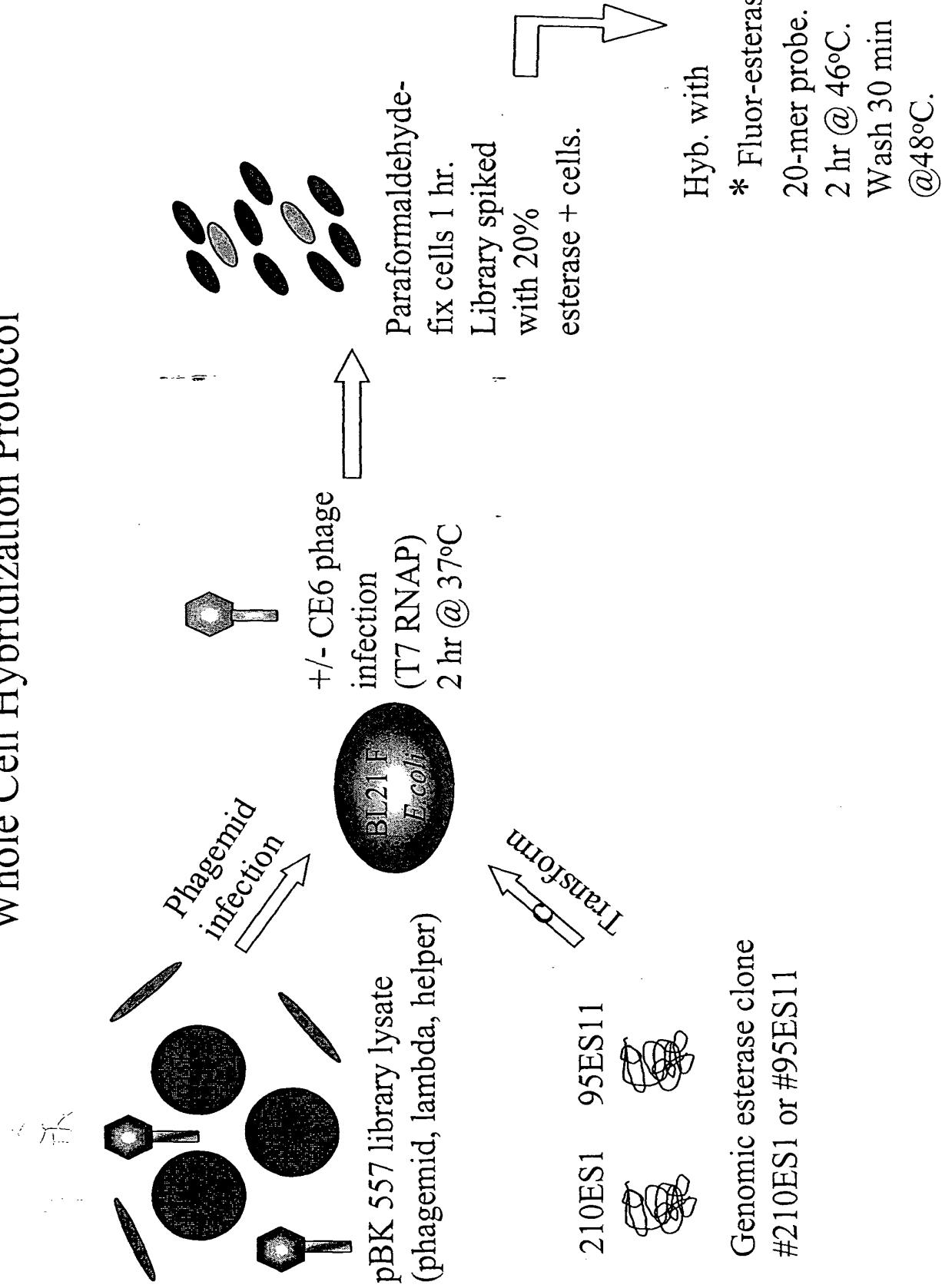


FIG. 22

Genomic esterase clone
#210ES1 or #95ES11

* Fluor-esterase
20-mer probe.
2 hr @ 46°C.
Wash 30 min
@48°C.

T7 RNA Polymerase Expression System

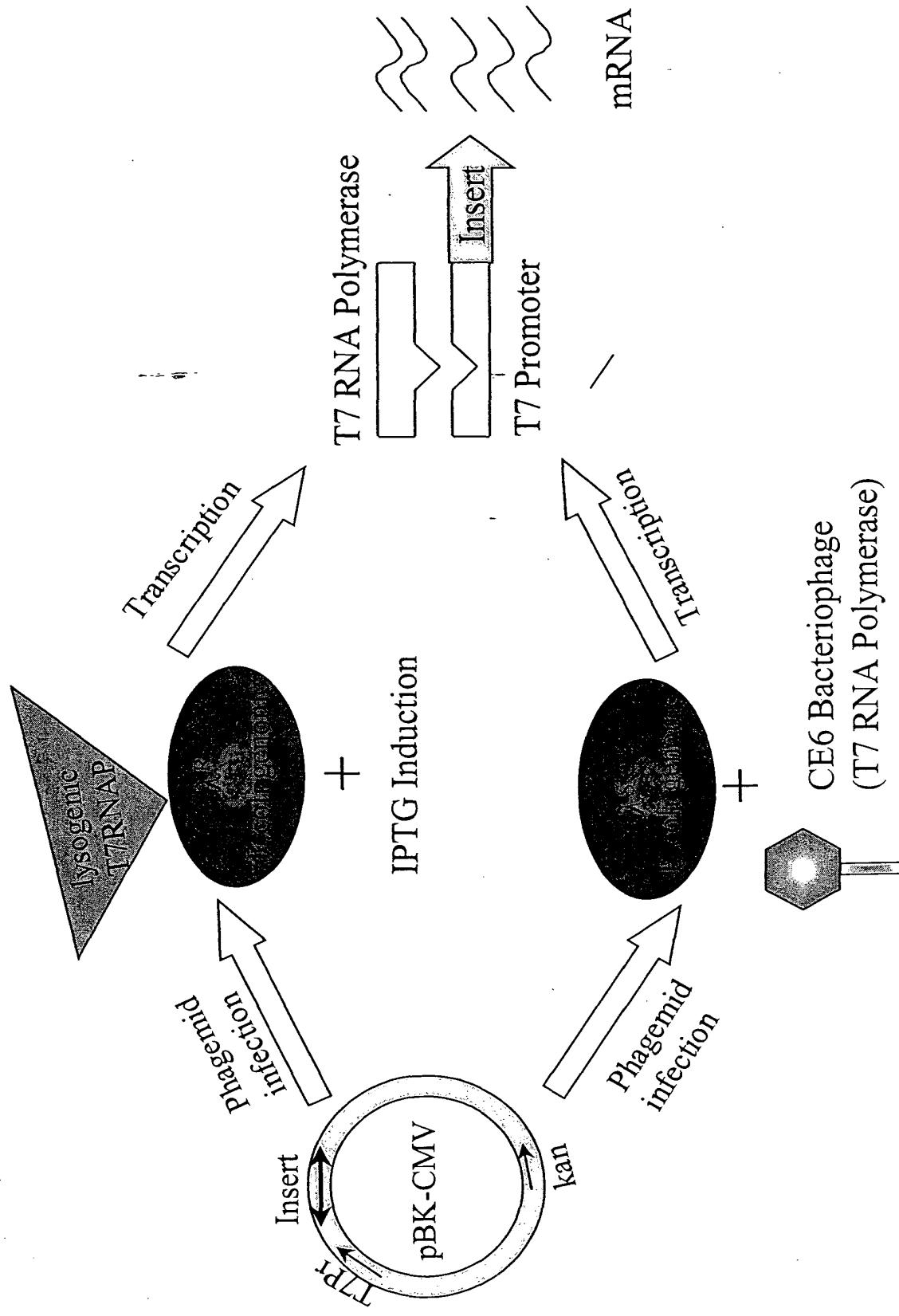


FIG. 23